

# Ship Building and Repairing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



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-- Not applicable for this report.

# Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
336611, Ship building and repairing . . . . . 2002..	586	639	87 666	3 628 382	62 191	116 441	2 269 455	8 449 010	4 365 564	12 814 574	290 520
2001..	N	N	84 458	3 439 474	63 484	127 230	2 322 890	6 968 749	4 824 083	11 792 832	328 231
2000..	N	N	87 527	3 435 806	64 702	128 680	2 279 698	6 324 192	5 055 920	11 380 112	414 293
1999..	N	N	88 963	3 336 632	61 022	124 658	1 969 858	6 328 784	4 742 177	11 070 960	285 908
1998..	N	N	94 761	3 347 525	67 340	135 444	2 020 368	6 728 975	4 414 270	11 143 246	248 780
1997..	649	697	97 065	3 353 414	66 964	133 665	2 019 168	6 202 797	4 340 164	10 542 961	243 713

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>336611, Ship building and repairing</b>												
United States.....	—	639	224	87 666	3 628 382	62 191	116 441	2 269 455	8 449 010	4 365 564	12 814 574	290 520
Alabama.....	—	28	14	3 055	100 002	2 632	4 471	80 162	135 714	161 054	296 768	6 463
California.....	—	65	20	6 568	268 374	5 237	10 593	182 279	517 361	490 261	1 007 622	45 748
Florida.....	1	68	15	2 478	95 899	2 171	4 221	80 269	174 925	110 935	285 860	6 540
Hawaii.....	6	10	3	402	15 222	342	666	11 375	32 298	23 092	55 390	1 386
Louisiana.....	—	77	43	12 821	396 246	9 808	18 317	319 109	856 084	916 498	1 772 582	34 030
Maryland.....	2	21	3	489	21 722	420	955	18 193	37 991	32 877	70 868	2 118
Massachusetts.....	4	16	3	274	9 606	235	385	7 616	16 380	13 179	29 559	1 000
Missouri.....	1	9	5	870	23 377	812	1 329	19 549	49 936	46 117	96 053	2 424
New Jersey.....	1	17	3	1 263	44 208	986	2 288	33 388	93 765	70 320	164 085	3 901
New York.....	3	20	3	357	16 291	304	651	12 916	24 655	15 031	39 686	620
Oregon.....	3	17	5	423	16 920	338	602	12 108	34 740	23 027	57 767	2 761
Rhode Island.....	—	9	5	529	19 716	461	1 010	16 136	30 308	21 363	51 671	4 426
South Carolina.....	—	12	3	674	24 094	558	1 170	18 805	52 226	38 584	90 810	1 113
Texas.....	2	68	26	2 851	110 815	2 449	4 914	87 865	205 539	117 630	323 169	12 637
Virginia.....	—	33	16	20 077	921 157	13 441	26 081	566 762	2 594 817	543 522	3 138 339	41 088
Washington.....	3	57	20	3 191	142 518	2 631	5 382	108 902	293 429	141 584	435 013	9 557
Wisconsin.....	2	11	5	1 703	62 103	1 421	2 681	45 147	59 822	131 939	191 761	3 236

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

# Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>336611, Ship building and repairing</b>	
Companies <sup>1</sup> .....	number.. 586
All establishments <sup>2</sup> .....	number.. 639
Establishments with 1 to 19 employees .....	number.. 415
Establishments with 20 to 99 employees .....	number.. 133
Establishments with 100 employees or more .....	number.. 91
All employees <sup>3</sup> .....	number.. 87 666
Total compensation .....	\$1,000.. 4 744 667
Annual payroll .....	\$1,000.. 3 628 382
Total fringe benefits .....	\$1,000.. 1 116 285
Production workers, average for year .....	number.. 62 191
Production workers on March 12 .....	number.. 60 276
Production workers on May 12 .....	number.. 61 420
Production workers on August 12 .....	number.. 60 750
Production workers on November 12 .....	number.. 66 265
Production worker hours .....	1,000.. 116 441
Production worker wages .....	\$1,000.. 2 269 455
Total cost of materials .....	\$1,000.. 4 365 564
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 3 858 314
Resales .....	\$1,000.. 46 429
Purchased fuels .....	\$1,000.. 17 917
Purchased electricity .....	\$1,000.. 86 907
Contract work .....	\$1,000.. 355 997
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 1 513 587
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. S
Total value of shipments .....	\$1,000.. 12 814 574
Primary products value of shipments .....	\$1,000.. 12 284 304
Secondary products value of shipments .....	\$1,000.. 84 238
Total miscellaneous receipts .....	\$1,000.. 446 032
Value of resales .....	\$1,000.. 55 969
Contract receipts .....	\$1,000.. 23 022
Other miscellaneous receipts .....	\$1,000.. 367 041
Primary products specialization ratio .....	percent.. 99
Value of primary products shipments made in all industries .....	\$1,000.. 12 315 292
Value of primary products shipments made in this industry .....	\$1,000.. 12 284 304
Value of primary products shipments made in other industries .....	\$1,000.. 30 988
Coverage ratio .....	percent.. 100
Value added .....	\$1,000.. 8 449 010
Total inventories, beginning of year .....	\$1,000.. 1 147 178
Finished goods inventories .....	\$1,000.. 41 652
Work-in-process inventories .....	\$1,000.. 885 287
Materials and supplies inventories .....	\$1,000.. 220 239
Total inventories, end of year .....	\$1,000.. 1 140 889
Finished goods inventories .....	\$1,000.. 63 487
Work-in-process inventories .....	\$1,000.. 890 787
Materials and supplies inventories .....	\$1,000.. 186 615
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 4 932 458
Total capital expenditures (new and used) .....	\$1,000.. 290 520
Buildings and other structures (new and used) .....	\$1,000.. 75 325
Machinery and equipment (new and used) .....	\$1,000.. 215 195
Automobiles, trucks, etc., for highway use .....	\$1,000.. 6 762
Computers and peripheral data processing equipment .....	\$1,000.. 30 391
All other expenditures for machinery and equipment .....	\$1,000.. 178 042
Total retirements .....	\$1,000.. 104 070
Gross value of depreciable assets at end of year .....	\$1,000.. 5 118 908
Depreciation charges during year .....	\$1,000.. 222 230
Total rental payments .....	\$1,000.. 105 830
Buildings and other structures .....	\$1,000.. 51 356
Machinery and equipment .....	\$1,000.. 54 474
Total other expenses <sup>4</sup> .....	\$1,000.. 1 627 614
Response coverage ratio <sup>5</sup> .....	percent.. 70
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 94 646
Communications services <sup>4</sup> .....	\$1,000.. 17 644
Legal services <sup>4</sup> .....	\$1,000.. 22 522
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 8 230
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 8 207
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. D
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 15 318
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. D
Taxes and license fees <sup>4</sup> .....	\$1,000.. 46 505
All other expenses <sup>4</sup> .....	\$1,000.. 1 072 834

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
336611, Ship building and repairing											
All establishments .....	—	639	87 666	3 628 382	62 191	116 441	2 269 455	8 449 010	4 365 564	12 814 574	290 520
Establishments with—											
1 to 4 employees .....	9	212	393	14 791	348	655	12 101	29 212	19 180	48 392	1 476
5 to 9 employees .....	8	95	652	25 949	568	1 121	21 640	49 247	31 724	80 971	2 639
10 to 19 employees .....	6	108	1 452	57 977	1 172	2 302	43 058	116 976	64 326	181 302	5 566
20 to 49 employees .....	3	80	2 539	94 511	2 101	4 143	73 402	213 495	141 017	354 512	11 815
50 to 99 employees .....	2	53	3 624	139 667	3 002	5 810	103 034	285 510	173 522	459 032	17 110
100 to 249 employees .....	2	49	7 548	305 522	6 185	12 052	230 506	514 239	411 521	925 760	32 080
250 to 499 employees .....	—	21	7 542	276 533	6 529	12 415	220 921	524 021	399 336	923 357	17 057
500 to 999 employees .....	1	12	8 464	310 743	7 188	13 377	250 265	652 033	542 136	1 194 169	28 657
1,000 to 2,499 employees .....	—	3	h	D	D	D	D	D	D	D	D
2,500 employees or more .....	—	6	l	D	D	D	D	D	D	D	D
Administrative records <sup>4</sup> .....	9	317	1 470	59 743	1 300	2 578	49 911	116 625	77 065	193 690	5 993

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
336611	Ship building and repairing.....	639	87 666	3 628 382	62 191	116 441	2 269 455	8 449 010	4 365 564	12 814 574	290 520
3366111	Nonpropelled ships, new construction .....	35	i	D	D	D	D	D	D	D	D
3366113	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), new construction .....	13	k	D	D	D	D	D	D	D	D
3366116	Nonmilitary self-propelled ships, new construction .....	66	13 656	545 405	10 982	22 462	395 648	974 855	918 383	1 893 238	67 022
3366118	Ship repair, military .....	35	8 041	330 609	6 978	13 931	264 459	799 122	488 066	1 287 188	28 729
336611A	Ship repair, nonmilitary .....	65	5 111	199 181	4 206	8 372	153 059	382 583	219 165	601 748	21 442

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
336611	Ship building and repairing .....	2002.. N 1997.. N	X X	X X	12 315 292 10 260 189
3366111	Nonpropelled ships, new construction .....	2002.. N 1997.. N	X X	X X	755 895 837 420
33661111	Nonpropelled ships and barges, new construction .....	2002.. N 1997.. N	X X	X X	754 830 837 420
3366111101	Military and nonmilitary nonpropelled barges, all types, new construction .....	2002.. 26 1997.. 31	X X	X X	466 384 583 297
3366111104	Military and nonmilitary nonpropelled drilling-production platforms, new construction .....	2002.. 7 1997.. 5	X X	X X	253 204 163 974
3366111107	Other military and nonmilitary nonpropelled ships (including dredges and floating docks), new construction .....	2002.. 21 1997.. 7	X X	X X	35 242 90 149
3366111Y	Nonpropelled ships, new construction, nsk .....	2002.. N 1997.. N	X X	X X	1 065 —
3366111YWV	Nonpropelled ships, new construction, nsk .....	2002.. N 1997.. N	X X	X X	1 065 —
3366113	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), new construction .....	2002.. N 1997.. N	X X	X X	D 4 780 490
33661131	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), new construction .....	2002.. N 1997.. N	X X	X X	D 4 780 490
3366113100	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), new construction .....	2002.. 16 1997.. 25	X X	X X	D 4 780 490
3366116	Nonmilitary self-propelled ships, new construction .....	2002.. N 1997.. —	X N	X N	1 514 878 N
33661161	Nonmilitary self-propelled ships, new construction .....	2002.. N 1997.. —	X N	X N	1 514 878 N
3366116101	Nonmilitary self-propelled yachts, 65 ft or more in length (requires a professional crew as specified by the Coast Guard), new construction .....	2002.. 22 1997.. —	X N	X N	305 447 N
3366116111	Nonmilitary self-propelled commercial fishing trawlers, new construction .....	2002.. 11 1997.. —	X N	X N	46 686 N
3366116113	Other nonmilitary self-propelled commercial fishing vessels (including seiners), new construction .....	2002.. 5 1997.. —	X N	X N	20 804 N
3366116116	Nonmilitary self-propelled tugboats and towboats (including integrated tug-barge combinations), new construction .....	2002.. 18 1997.. —	X N	X N	193 913 N
3366116119	Nonmilitary self-propelled ferryboats, new construction .....	2002.. 10 1997.. —	X N	X N	65 527 N
3366116123	Nonmilitary self-propelled support vessels for offshore drilling and mining, new construction .....	2002.. 20 1997.. —	X N	X N	267 490 N
3366116125	Other nonmilitary ships (including container and trailer ships, dry bulk carriers, and tankers) .....	2002.. 18 1997.. —	X N	X N	615 011 N
3366116Y	Nonmilitary self-propelled ships, new construction, nsk .....	2002.. N 1997.. —	X N	X N	— N
3366116YWV	Nonmilitary self-propelled ships, new construction, nsk .....	2002.. N 1997.. —	X N	X N	— N
3366118	Ship repair, military .....	2002.. N 1997.. —	X N	X N	D N
33661181	Ship repair, military .....	2002.. N 1997.. —	X N	X N	D N
3366118101	Ship conversions and reconversions, military .....	2002.. 17 1997.. —	X N	X N	D N
3366118104	All other ship repairs, military .....	2002.. 38 1997.. —	X N	X N	D N
3366118Y	Ship repair, military, nsk .....	2002.. N 1997.. —	X N	X N	— N
3366118YWV	Ship repair, military, nsk .....	2002.. N 1997.. —	X N	X N	— N
336611A	Ship repair, nonmilitary .....	2002.. N 1997.. —	X N	X N	615 870 N
336611A1	Ship repair, nonmilitary .....	2002.. N 1997.. —	X N	X N	615 870 N
336611A101	Ship conversions and reconversions, nonmilitary .....	2002.. 21 1997.. —	X N	X N	180 920 N
336611A104	All other ship repairs, nonmilitary .....	2002.. 81 1997.. —	X N	X N	434 950 N
336611AY	Ship repair, nonmilitary, nsk .....	2002.. N 1997.. —	X N	X N	— N
336611AYWV	Ship repair, nonmilitary, nsk .....	2002.. N 1997.. —	X N	X N	— N
336611W	Ship building and repairing, nsk, total .....	2002.. N 1997.. N	X X	X X	434 058 464 168
336611WY	Ship building and repairing, nsk, total .....	2002.. N 1997.. N	X X	X X	434 058 464 168
336611WYWW	Ship building and repairing, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	240 588 293 312
336611WYWY	Ship building and repairing, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	193 470 170 856

See footnotes at end of table.



Table 6a. **Products Statistics: 2002 and 1997—Con.**

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3366111	Nonpropelled ships, new construction	
	United States..... 2002..	755 895
	..... 1997..	837 420
	Florida ..... 2002..	27 337
	..... 1997..	N
	Louisiana ..... 2002..	235 450
	..... 1997..	266 861
	Texas ..... 2002..	76 970
	..... 1997..	192 077
	..... 1997..	N
3366113	Military self-propelled ships (including combat ships, troop transport vessels, fleet auxiliaries, and service craft), new construction	
	United States..... 2002..	D
	..... 1997..	4 780 490
3366116	Nonmilitary self-propelled ships, new construction	
	United States..... 2002..	1 514 878
	..... 1997..	N
	Florida ..... 2002..	70 773
	..... 1997..	N
	Louisiana ..... 2002..	556 047
	..... 1997..	N
	Texas ..... 2002..	N
	..... 1997..	43 019
	Washington ..... 2002..	N
	..... 1997..	162 835
	..... 1997..	N
3366118	Ship repair, military	
	United States..... 2002..	D
	..... 1997..	N
	California ..... 2002..	575 042
	..... 1997..	N
	Florida ..... 2002..	72 930
	..... 1997..	N
	Louisiana ..... 2002..	N
	..... 1997..	27 539
	Texas ..... 2002..	N
	..... 1997..	35 929
	Virginia ..... 2002..	N
	..... 1997..	1 242 908
	..... 1997..	N
336611A	Ship repair, nonmilitary	
	United States..... 2002..	615 870
	..... 1997..	N
	California ..... 2002..	25 796
	..... 1997..	N
	Florida ..... 2002..	45 068
	..... 1997..	N
	Louisiana ..... 2002..	114 511
	..... 1997..	N
	Missouri ..... 2002..	N
	..... 1997..	17 055
	Texas ..... 2002..	N
	..... 1997..	92 098
	Virginia ..... 2002..	N
	..... 1997..	57 248
	Washington ..... 2002..	N
	..... 1997..	38 189
	..... 1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336611	Ship building and repairing		
00900001	Total materials .....2002..	X	3 858 314
	.....1997..	X	3 805 933
33361811	Diesel and semidiesel engines .....2002..	X	73 563
	.....1997..	X	128 993
33361105	Steam engines and turbines .....2002..	X	D
	.....1997..	X	117 033
33531221	Integral horsepower electric motors and generators (1 hp or more) .....2002..	X	13 297
	.....1997..	X	45 305
33632200	Engine electrical equipment (including spark plugs, magnetos, generators, starters, etc.) .....2002..	X	11 273
	.....1997..	X	68 888
33361200	Mechanical speed changers, gears, and industrial high-speed drives .....2002..	X	25 730
	.....1997..	X	94 519
33531415	Industrial controls .....2002..	X	13 899
	.....1997..	X	46 664
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) .....2002..	X	81 022
	.....1997..	X	36 148
33291207	Fluid power valves (hydraulic and pneumatic) .....2002..	X	52 933
	.....1997..	X	71 486
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) .....2002..	X	D
	.....1997..	X	2 636
33291203	Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic) .....2002..	X	26 563
	.....1997..	X	54 256
33399901	Fluid power filters (hydraulic and pneumatic) .....2002..	X	1 988
	.....1997..	X	D
00190087	Other transportation related fluid power products, hydraulic and pneumatic .....2002..	X	9 665
	.....1997..	X	N
332000A7	Metal boilers, condensers, and parts (excluding forgings) .....2002..	X	D
	.....1997..	X	5 627
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	18 019
	.....1997..	X	24 697
33200063	Other fabricated metal products (excluding fluid power products and forgings) .....2002..	X	41 449
	.....1997..	X	N
33210000	Forgings .....2002..	X	5 335
	.....1997..	X	N
33231203	Aluminum and aluminum-base alloy forgings .....2002..	X	109 556
	.....1997..	X	55 632
33100035	Castings, rough and semifinished .....2002..	X	9 768
	.....1997..	X	39 492
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	139 503
	.....1997..	X	366 340
33120016	Steel sheet and strip (including tinplate) .....2002..	X	12 463
	.....1997..	X	N
33120019	Steel structural shapes and sheet piling (excluding castings, forgings, and fabricated metal products) .....2002..	X	7 224
	.....1997..	X	56 754
33120091	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, bars, bar shapes, plate, sheet, strip, structural shapes, and sheet piling) .....2002..	X	7 659
	.....1997..	X	17 415
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing .....2002..	X	16 736
	.....1997..	X	N
33100050	Other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, sheet, plate, foil, welded tubing, and fabricated metal products) .....2002..	X	808
	.....1997..	X	N
33100077	Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	2 586
	.....1997..	X	25 322
33300011	Construction machinery and parts (including shipwinches, cranes, derricks, and capstans) .....2002..	X	D
	.....1997..	X	44 574
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	38 853
	.....1997..	X	N
32100020	Lumber, dressed .....2002..	X	11 959
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	1 159 428
	.....1997..	X	D
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	1 815 709
	.....1997..	X	658 400

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.